

Technical Data Sheet

ezKore ADSS Loose Tube Optical Cables

Dual Jacket

Gel-free buffer tube with 2-216f

All Dielectric Self Supporting

Short span - average

Light - 150 m (492 ft.) max
Medium - 122 m (400 ft.) max
Heavy - 074 m (243 ft.) max

Application

ADSS cables are used on overhead power lines and/or poles. The self supporting design allows installations independent of other wires/conductors.

Benefits

- Fiber Count up to 216f
- Completely gel-free cable. The dry water blocking materials can easily be removed without the use of cable cleaning solvents, yielding significant labor cost savings. Suitable for all types of aerial lines
- Suitable for all types of aerial lines
- Rapid deployment
- Installs on live power lines
- Available for long, medium and short spans

Fiber types

- G.651 multi-mode fiber
- G.652D single-mode fiber
- G.655 NZDS fiber for DWDM applications

Full range of protections

- Water blocked

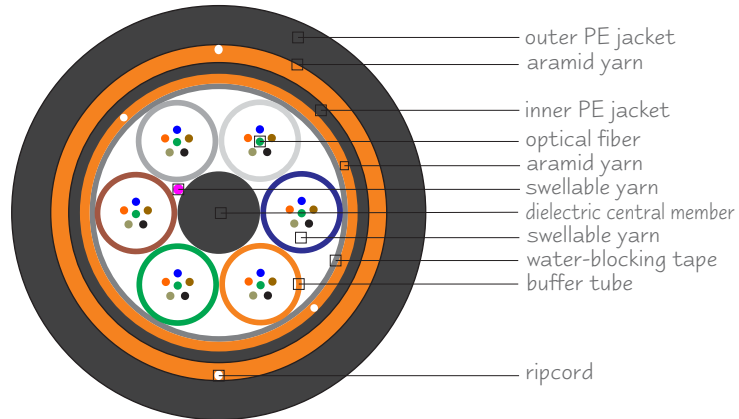
Full range of applications

- Outdoor
- Aerial

Optional protections

- Track resistant

Cable cut-away



Typical parameters

Number of fibers	Up to 216
Nominal outer diameter	13.3 mm (0.52 in) to 20.5 mm (0.81 in)
Cable weight	145 kg/km (097 lbs/kft) to 355 kg/km (238 lbs/kft)
Max. bend radius	20 x cable O.D.
Max. working tension	5300 to 9400 N (1191 to 2113 lbf)
Operating temperature range	-40 °C / 70 °C (-40 °F / 158 °F)

Specifications are subject to change without prior notice. 4SProducts cables are designed and tested per IEC specifications.



Qualifications & approvals

REA PE-90
Bellcore Standards
ITU Standards
TIA/EIA Standards

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Cable Properties	Weight & cube	Tensile strength (N) NESC Medium
002 - 036f	diameter 13.3 mm (0.52 in) weight 145 Kg/km (097 lbs/kft)	operating 5300 install 9500
037 - 060f	diameter 14.7 mm (0.58 in) weight 180 Kg/km (121 lbs/kft)	operation 5900 install 10000
061 - 072f	diameter 14.7 mm (0.58 in) weight 180 Kg/km (121 lbs/kft)	operating 5900 install 10000
073 - 096f	diameter 16.5 mm (0.65 in) weight 230 Kg/km (155 lbs/kft)	operating 7000 install 13000
097 - 120f	diameter 20.5 mm (0.81 in) weight 355 Kg/km (238 lbs/kft)	operating 9400 install 16000
121 - 144f	diameter 20.5 mm (0.81 in) weight 355 Kg/km (238 lbs/kft)	operating 9400 install 16000
145 - 216f	diameter 20.5 mm (0.81 in) weight 355 Kg/km (238 lbs/kft)	operating 9400 install 16000

Mechanical Performance	Test Procedure	Specification
Low & high temperature cable	EIA/TIA-455-37A FOTP-37	20 x cable O.D. @ -30 °C and 60 °C
Impact resistance	EIA/TIA-455-25A FOTP-25	25 impact cycles
Compressive strength	EIA/TIA-455-41A FOTP-41	220 N/cm (124 lbs/in.)
Cable twist	EIA/TIA-455-85 FOTP-85	2 meter length ± 180°
Cable cyclic flexing	EIA/TIA-455-104 FOTP-104	20 x cable O.D. 25 cycles
Max. bend radius	EIA/TIA-455-37A FOTP-37	20 x cable O.D. 10 x cable O.D.
Span length on NESC conditions	Light Medium Heavy	150 m (492 ft.) max 122 m (400 ft.) max 074 m (243 ft.) max Sag 1.0%

Environmental Performance	Test Procedure	Specification
Temperature	EIA/TIA-455-3A FOTP-3	Operation -40 to +70 °C (-40 to +158 °F) Installation -20 to +70 °C (-04 to +158 °F) Storage/Shipping -40 to +75 °C (-40 to +168 °F)
Cable aging	EIA/TIA-455-37 FOTP-37	168 hours @ 85 °C
Cable Freezing	EIA/TIA-455-98 FOTP-98	Frozen in ice
Water penetration	EIA/TIA-455-82B FOTP-82	1 meter for 24 hours
Compound drip temperature	EIA/TIA-455-81B FOTP-81	75 °C
Color coding permanence	Telcordia GR-20	Colors stable after aging



Specifications are subject to change without notice. The data given is subject to normal manufacturing tolerances.
4SProducts Loose Tube Optical Cables are tested in accordance with the requirements of Bellcore GR-20.
Performance specifications are measured per EIA Fiber Optic Test Procedures.

